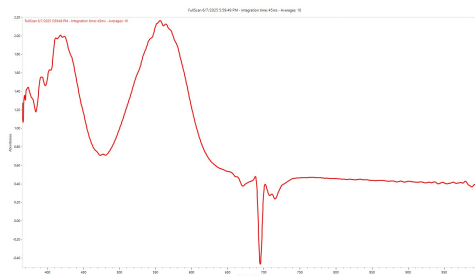


PICTURE OF ITEM(S)



Picture is not actual size. The color of the item(s)
and the color of the picture may be different.

UV-VIS-NIR SPECTRUM



ALGT COLORED STONE IDENTIFICATION REPORT

IDENTIFICATION

Species Natural Corundum
Variety Purplish Pink Sapphire

DESCRIPTION

Shape & Cutting Style Round Brilliant, Mixed Cut
Measurements 8.28 - 8.35 x 7.38 mm
Carat Weight 4.02 Carat
Color Vivid/Deep Purplish Pink
Transparency Transparent

ADDITIONAL GRADING CHARACTERISTICS

Color Quality Grade Extra Fine Color Quality
Origin Madagascar
Origin determination is an expert opinion based on microscopic examination, spectroscopic features and chemical trace element analysis.

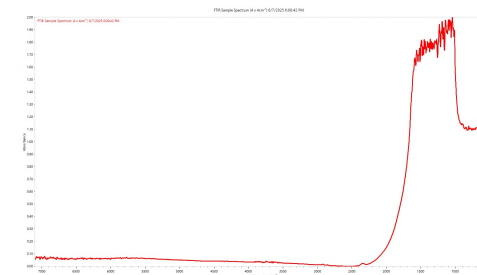
COMMENTS

No indications of heating.

MAIN PROPERTIES OF SAPPHIRE

Chemical Composition Al_2O_3
Crystal System Trigonal
Mohs Hardness 9.0
Specific Gravity 3.97 - 4.10 g/cm^3
Optical Character Uniaxial-
Refractive Index 1.757 - 1.779
Birefringence 0.008 - 0.009

FTIR SPECTRUM



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